
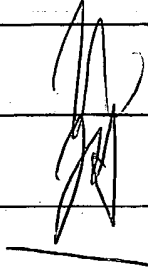


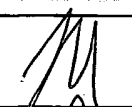

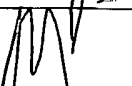
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U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					M-11522 US		Not assigned yet	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Demaray, Richard E. et al.			
					Filing Date		Group	
					Herewith		Not assigned	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,107,538	4/21/92	Benton et al.	385	130		
	AB	5,119,460	6/2/92	Bruce et al.	385	142		
	AC	5,206,925	4/27/93	Nakazawa et al.	385	142		
	AD	5,252,194	10/12/93	Demaray et al.	204	298.2		
	AE	5,303,319	4/12/94	Ford et al.	385	131		
	AF	5,381,262	1/10/95	Arima et al.	359	341		
	AG	5,427,669	6/27/95	Drummond	204	298.2		
	AH	5,475,528	12/12/95	LaBorde	359	341		
	AI	5,483,613	1/9/96	Bruce et al.	385	129		
	AJ	5,555,127	9/10/96	Abdelkader et al.	359	341		
	AK	5,563,979	10/8/96	Bruce et al.	385	142		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	WO 00/21898	4/20/00	PCT	C03C	13/04	X	
	AM	WO 00/22742	4/20/00	PCT	G02B	6/26		
	AN	EP 0867 985A1	9/30/98	Europe	H01S	3/06		
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Asghari et al., "ASOC - A Manufacturing Integrated Optics Technology," Part of the SPIE Conference on Integrated Optics Devices III, SPIE Vol. 3620, pages 252-262 (January 1999).						
	AR	Bestwick, T., "ASOC silicon integrated optics technology," Part of the SPIE Conferences on Photonics Packaging and Integration, SPIE Vol. 3631, pages 182-190 (January 1999).						
	AS	Choi et al., "Er-Al-codoped silicate planar light waveguide-type amplifier fabricated by radio-frequency sputtering," Optics Letters, Vol. 25, No. 4, pages 263-265 (February 15, 2000).						
Examiner		JOHN HOFFMAN		Date Considered		2-04		
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>								

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U.S. Patent Documents								
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<i>[Signature]</i>	AA	5,565,071	10/15/96	Demaray et al.	204	192.12		
<i>[Signature]</i>	AB	5,603,816	2/18/97	Demaray et al.	204	298.07		
<i>[Signature]</i>	AC	5,613,995	3/25/97	Bhandarkar et al.	65	384		
<i>[Signature]</i>	AD	5,718,813	2/17/98	Drummond et al.	204	192.12		
<i>[Signature]</i>	AE	5,719,976	2/17/98	Henry et al.	385	50		
<i>[Signature]</i>	AF	5,841,931	11/24/98	Foresi et al.	385	131		
<i>[Signature]</i>	AG	5,847,865	12/8/98	Gopinath et al.	359	343		
<i>[Signature]</i>	AH	5,855,744	1/5/99	Halsey et al.	204	192.12		
<i>[Signature]</i>	AI	5,900,057	5/4/99	Buchal et al.	117	109		
<i>[Signature]</i>	AJ	5,996,491	10/12/99	DiGiovanni	385	127	this # is to K shine Not DiGiovanni	
<i>[Signature]</i>	AK	6,001,224	12/14/99	Drummond et al.	204	192.12		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
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<i>[Signature]</i>	AQ	Horst et al., "Compact, Tunable Optical Devices in Silicon-Oxynitride Wave Guide Technology," IBM Research Division, 3 pages (1999).						
<i>[Signature]</i>	AR	Hübner, J. and Guldberg-Kjaer, S., "Planar Er- and Yb-Doped Amplifiers and Lasers," COM Technical University of Denmark, 10 th European Conf. On Integrated Optics, Session WeB2, pages 71-74 (2001). <i>Date! is it Prior Art?</i>						
<i>[Signature]</i>	AS	Kato et al., "Recent progress on PLC hybrid integration," Part of the SPIE Conference on Optoelectric Integrated Circuits III," SPIE. Vol. 3631, pages 28-36 (January 1999).						
Examiner		JOHN HOFFMAN		Date Considered		2-6-01		
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					Herewith		Not assigned yet	
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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	6,024,844	2/15/00	Drummond et al.	204	192.12		
	AB	6,157,765	12/5/00	Bruce et al.	385	129		
	AC	5,831,262	11/3/98	Greywall et al.	250	227.14		
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
AK								
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							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
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	AN							
	AO							
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Ladouceur, F. et al., "Effect of side wall roughness in buried channel waveguides," IEEE Proc., Vol. 141, pages 242-248 (August 1994).						
	AR	Laurent-Lund, C. et al., "PECVD Grown Multiple Core Planar Waveguides with Extremely Low Interface Reflections and Losses," IEEE Photonics Technology Letters Vol. 10, No. 10, pages 1431-1433 (October 1998).						
	AS	Lee, Kevin K. et al., "Effect of size and roughness on light transmission in a Si/SiO ₂ waveguide: Experiments and model," <i>American Institute of Physics</i> , pages 1617-1619 (2000). <i>INcomplete date!</i>						
Examiner		JOHN HOFFMAN		Date Considered		12-4-01 2-04		
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	AN							
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Marques, P.V.S. et al., "Planar Silica-on-Silicon Waveguide Lasers Based in Two Layer Core Devices," 10 th European Conference on Integrated Optics, Session WeB2, pages 79-82 (2001). <i>INcomplete Date</i>						
	AR	Ohkubo et al., "Polarization-Insensitive Arrayed-Waveguide Grating Using Pure Si ₃ N ₄ Cladding," Fifth Optoelectronics and Communication Conference (OECC 2000) Technical Digest, 2 pages (July 2000). <i>INcomplete date</i>						
	AS	Ono et al., "Design of a Low-loss Y-branch Optical Waveguide," Fifth Optoelectronic and Communications Conference (OECC 2000) Technical Digest, 2 pages (July 2000). <i>INcomplete date</i>						
Examiner		Date Considered						
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		Document	Date	Country	Class	Subclass	Yes	No
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	AN							
	AO							
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	AQ	Roberts et al., "The Photoluminescence of Erbium-doped Silicon Monoxide," Department of Electronics and Computer Science," 7 pages (June 1996).						
	AR	Schermmer, R. et al., "Investigation of Mesa Dielectric Waveguides," <i>Proceedings of the OSA Integrated Photonics Research Topical Meeting and Exhibit</i> , Paper No. IWB3 (June 11, 2001). <i>Figure 1 too dark to see details</i>						
	AS	Shmlovich et al., "Recent progress in Erbium-doped waveguide amplifiers," Bell Laboratories, 3 pages (1999).						
Examiner		JOHN HOFFMAN		Date Considered 2 - 2004				
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	AK						
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
	AL						
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	AO						
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Tervonen, A., "Challenges and opportunities for integrated optics in optical networks," Part of the SPIE Conference in Integrated Optics Devices III, SPIE Vol. 3620, pages 2-11 (January 1999).					
	AR	Ting et al., "Study of planarized sputter-deposited SiO ₂ ," <i>J. Vac. Sci. Technol.</i> , 15(3) pages 1105-1112 (May/June 1978).					
	AS						
Examiner		Date Considered					
JOHN HOFFMAN		2-2004					
*EXAMINER: Initial preference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							